

**Abstract**

There is provided a system and method that uses solid CO<sub>2</sub> for the purposes of fire suppression. In particular, there is provided a method of preventing fires by covering an area, a structure or an item to be protected with a layer of solid CO<sub>2</sub>. There is also provided a fire fighting and prevention apparatus that comprises a vehicle, a source of CO<sub>2</sub>, a solid CO<sub>2</sub> generating assembly and a solid CO<sub>2</sub> distributor. This vehicle can be position to cover or fill a structure that is already on fire with solid CO<sub>2</sub> to put out the fire, or cover or fill a structure that is in the risk of catching fire to prevent that structure from catching fire.